

ABSTRACT OF THE DISCLOSURE

5 A method and apparatus for providing welding type
power is disclosed. The power source is capable of
receiving any input voltage over a wide range of input
10 voltages and includes an input rectifier that rectifies the
ac input into a dc signal. A dc voltage stage converts the
dc signal to a desired dc voltage and an inverter inverts
the dc signal into a second ac signal. An output
transformer receives the second ac signal and provides a
15 third ac signal that has a current magnitude suitable for
welding, cutting or induction heating. The welding type
current may be rectified and smoothed by an output inductor
and an output rectifier. A controller provides control
signals to the inverter and a controller power supply can
also receive a range of input voltages and provide a control
power signal to the controller, and a voltage independent of
the input voltage.